

PATENT

Amendments to the Claims

Please cancel claims 6-7, 14-16, 21-22, 33-34, and 40-41. Please amend claims 1-5, 8-13, 17-20, 23-32, and 35-39. Please add new claims 42-43.

1. (Currently Amended) For use in a hand-held computing device, [[A]] a computer-implemented method for providing an alternate symbol associated with a base symbol comprising:

receiving input requesting a first list of ~~one or more~~ alternate symbols associated with a first base symbol; and

displaying simultaneously a plurality of ~~one or more~~ alternate symbols [[in]] ~~from the first list associated with the first base symbol in a pop-up menu at an insertion location for at least one of the alternate symbols on a display of the hand-held device.~~

2. (Currently Amended) The method of claim 1 wherein ~~displaying one or more alternate symbols in the first list associated with the first base symbol, the first list having more than one alternate symbol,~~ displaying simultaneously a plurality of alternate symbols from the first list in a pop-up menu at an insertion location for at least one of the alternate symbols on a display of the hand-held device comprises:

displaying the plurality of alternate symbols of the first list in an order according to a user-defined criteria.

3. (Currently Amended) The method of claim 1 wherein ~~displaying one or more alternate symbols in the first list associated with the first base symbol, the first list having more than one alternate symbol,~~ displaying simultaneously a plurality of alternate symbols from the first list in a pop-up menu at an insertion location for at least one of the alternate symbols on a display of the hand-held device comprises:

PATENT

displaying the plurality of alternate symbols of the first list in an order according to a criteria of the alternate symbol that was last selected for the base symbol is displayed first.

4. (Currently Amended) The method of claim 1 wherein ~~displaying one or more alternate symbols in the first list associated with the first base symbol, the first list having more than one alternate symbol,~~ displaying simultaneously a plurality of alternate symbols from the first list in a pop-up menu at an insertion location for at least one of the alternate symbols on a display of the hand-held device comprises:

displaying the plurality of alternate symbols in the first list in an order from first to last according to a criteria of descending order of a frequency of selection for each alternate symbol;

responsive to receiving input indicating one of the alternate symbols has been selected, increasing a frequency of selection indicator for the alternate symbol that has been selected; and storing the frequency of selection indicator in a memory.

5. (Currently Amended) The method of claim 1 wherein ~~displaying one or more alternate symbols in the first list associated with the first base symbol, the first list having more than one alternate symbol,~~ displaying simultaneously a plurality of alternate symbols from the first list in a pop-up menu at an insertion location for at least one of the alternate symbols on a display of the hand-held device comprises:

displaying the plurality of alternate symbols in the first list in an order from first to last according to a criteria of descending order of a frequency of selection for each alternate symbol, the frequency of selection being based on pre-determined statistics.

6. (Canceled.)

7. (Canceled.)

PATENT

8. (Currently Amended) The method of claim 1 wherein the first list of ~~one or more~~ alternate symbols includes a short symbol sequence.
9. (Currently Amended) The method of claim 1 wherein the first list of ~~one or more~~ alternate symbols includes an accented symbol version of the base symbol.
10. (Currently Amended) The method of claim 1 wherein the first list of ~~one or more~~ alternate symbols includes a symbol of the same type as the base symbol.
11. (Currently Amended) The method of claim 1 wherein the first list of ~~one or more~~ alternate symbols includes a symbol having an associational relationship with the base symbol wherein the associational relationship is that the symbol includes the base symbol.
12. (Currently Amended) The method of claim 1 further comprising:
- receiving input requesting a second list of ~~one or more~~ alternate symbols associated with a second base symbol; and
 - ~~displaying one or more alternate symbols in the second list associated with the second base symbol.~~
 - displaying simultaneously a plurality of alternate symbols from the second list in a pop-up menu at an insertion location for at least one of the alternate symbols on a display of the hand-held device.
13. (Currently Amended) A hand-held computing device for providing an alternate symbol associated with a base symbol comprising:
- a display;
 - a memory;
 - a processor coupled to the display and memory;
 - a user input device for indicating a symbol; and

PATENT

software stored in the memory for providing an alternate symbol associated with a base symbol
wherein the software comprises instructions for execution by the processor for performing the
following:

receiving input requesting a first list of alternate symbols associated with a first base
symbol; and

displaying simultaneously a plurality of alternate symbols from the first list in a pop-up
menu at an insertion location for at least one of the alternate symbols on a display of the hand-
held device.

14. (Canceled.)

15. (Canceled.)

16. (Canceled.)

17. (Currently Amended) The device of claim ~~[[16]]~~ 13 wherein ~~displaying one or more
alternate symbols in the first list associated with the first base symbol, the first list having more
than one alternate symbol;~~ displaying simultaneously a plurality of alternate symbols from the
first list in a pop-up menu at an insertion location for at least one of the alternate symbols on a
display of the hand-held device comprises:

displaying the plurality of alternate symbols of the first list in an order according to a
user-defined criteria.

18. (Currently Amended) The device of claim ~~[[16]]~~ 13 wherein ~~displaying one or more
alternate symbols in the first list associated with the first base symbol, the first list having more
than one alternate symbol;~~ displaying simultaneously a plurality of alternate symbols from the
first list in a pop-up menu at an insertion location for at least one of the alternate symbols on a
display of the hand-held device comprises:

PATENT

displaying the plurality of alternate symbols of the first list in an order according to a criteria of the alternate symbol that was last selected for the base symbol is displayed first.

19. (Currently Amended) The device of claim ~~[[16]]~~ 13 wherein ~~displaying one or more alternate symbols in the first list associated with the first base symbol, the first list having more than one alternate symbol,~~ displaying simultaneously a plurality of alternate symbols from the first list in a pop-up menu at an insertion location for at least one of the alternate symbols on a display of the hand-held device comprises:

al
cmf
displaying the plurality of alternate symbols in the first list in an order from first to last according to a criteria of descending order of a frequency of selection for each alternate symbol; responsive to receiving input indicating one of the alternate symbols has been selected, increasing a frequency of selection indicator for the alternate symbol that has been selected; and storing the frequency of selection indicator in a memory.

20. (Currently Amended) The device of claim ~~[[16]]~~ 13 wherein ~~displaying one or more alternate symbols in the first list associated with the first base symbol, the first list having more than one alternate symbol,~~ displaying simultaneously a plurality of alternate symbols from the first list in a pop-up menu at an insertion location for at least one of the alternate symbols on a display of the hand-held device comprises:

displaying the plurality of alternate symbols in the first list in an order from first to last according to a criteria of descending order of a frequency of selection for each alternate symbol, the frequency of selection being based on pre-determined statistics.

21. (Canceled.)

22. (Canceled.)

PATENT

23. (Currently Amended) The device of claim ~~[[16]]~~ 13 wherein the first list of ~~one or more~~ alternate symbols includes a short symbol sequence as one of the one or more alternate symbols.

24. (Currently Amended) The device of claim ~~[[16]]~~ 13 wherein the first list of ~~one or more~~ alternate symbols includes an accented symbol version of the base symbol as one of the one or more alternate symbols.

25. (Currently Amended) The device of claim ~~[[16]]~~ 13 wherein the first list of ~~one or more~~ alternate symbols includes a symbol of the same type as the base symbol.

26. (Currently Amended) The device of claim ~~[[16]]~~ 13 wherein the first list of ~~one or more~~ alternate symbols includes a symbol having an associational relationship with the base symbol wherein the associational relationship is that the symbol includes the base symbol.

27. (Currently Amended) The device of claim ~~[[16]]~~ 13 wherein the software further comprises instructions for execution by the processor for performing the following:

receiving input requesting a second list of ~~one or more~~ alternate symbols associated with a second base symbol; and

~~displaying one or more alternate symbols in the second list associated with the second base symbol.~~

displaying simultaneously a plurality of alternate symbols from the second list in a pop-up menu at an insertion location for at least one of the alternate symbols on a display of the hand-held device.

28. (Currently Amended) A computer usable medium comprising instructions for execution by a processor for performing ~~the following~~ a computer-implemented method for providing an alternate symbol associated with a base symbol for use in a hand-held computing device, the method comprising:

PATENT

receiving input requesting a first list of ~~one or more~~ alternate symbols associated with a first base symbol; and

displaying simultaneously a plurality of ~~one or more~~ alternate symbols ~~[[in]] from the first list associated with the first base symbol in a pop-up menu at an insertion location for at least one of the alternate symbols on a display of the hand-held device.~~

29. (Currently Amended) The medium of claim 28 wherein ~~displaying one or more alternate symbols in the first list associated with the first base symbol, the first list having more than one alternate symbol,~~ displaying simultaneously a plurality of alternate symbols from the first list in a pop-up menu at an insertion location for at least one of the alternate symbols on a display of the hand-held device comprises:

displaying the plurality of alternate symbols of the first list in an order according to a user-defined criteria.

30. (Currently Amended) The medium of claim 28 wherein ~~displaying one or more alternate symbols in the first list associated with the first base symbol, the first list having more than one alternate symbol,~~ displaying simultaneously a plurality of alternate symbols from the first list in a pop-up menu at an insertion location for at least one of the alternate symbols on a display of the hand-held device comprises:

displaying the plurality of alternate symbols of the first list in an order according to a criteria of the alternate symbol that was last selected for the base symbol is displayed first.

31. (Currently Amended) The medium of claim 28 wherein ~~displaying one or more alternate symbols in the first list associated with the first base symbol, the first list having more than one alternate symbol,~~ displaying simultaneously a plurality of alternate symbols from the first list in

PATENT

a pop-up menu at an insertion location for at least one of the alternate symbols on a display of the hand-held device comprises:

displaying the plurality of alternate symbols in the first list in an order from first to last according to a criteria of descending order of a frequency of selection for each alternate symbol; responsive to receiving input indicating one of the alternate symbol has been selected, increasing a frequency of selection indicator for the alternate symbol that has been selected; and storing the frequency of selection indicator in a memory.

af
cm
32. (Currently Amended) The medium of claim 28 wherein ~~displaying one or more alternate symbols in the first list associated with the first base symbol, the first list having more than one alternate symbol,~~ displaying simultaneously a plurality of alternate symbols from the first list in a pop-up menu at an insertion location for at least one of the alternate symbols on a display of the hand-held device comprises:

displaying the plurality of alternate symbols in the first list in an order from first to last according to a criteria of descending order of a frequency of selection for each alternate symbol, the frequency of selection being based on pre-determined statistics.

33. (Cancelled)

34. (Canceled.)

35. (Currently Amended) A hand-held computing device for providing an alternate symbol associated with a base symbol comprising:

means for receiving input requesting a first list of ~~one or more~~ alternate symbols associated with a first base symbol; and

PATENT

means for displaying simultaneously a plurality of one or more alternate symbols ~~[[in]]~~
from the first list associated with the first base symbol in a pop-up menu at an insertion location
for at least one of the alternate symbols on a display of the hand-held device.

36. (Currently Amended) The device of claim 35 wherein the means for displaying one or
more alternate symbols in the first list associated with the first base symbol, the first list having
more than one alternate symbol, displaying simultaneously a plurality of alternate symbols from
the first list in a pop-up menu at an insertion location for at least one of the alternate symbols on
a display of the hand-held device comprises:

means for displaying the plurality of alternate symbols of the first list in an order
according to a user-defined criteria.

37. (Currently Amended) The device of claim 35 wherein the means for displaying one or
more alternate symbols in the first list associated with the first base symbol, the first list having
more than one alternate symbol, displaying simultaneously a plurality of alternate symbols from
the first list in a pop-up menu at an insertion location for at least one of the alternate symbols on
a display of the hand-held device comprises:

means for displaying the plurality of alternate symbols of the first list in an order
according to a criteria of the alternate symbol that was last selected for the base symbol is
displayed first.

38. (Currently Amended) The device of claim 35 wherein the means for displaying one or
more alternate symbols in the first list associated with the first base symbol, the first list having
more than one alternate symbol, displaying simultaneously a plurality of alternate symbols from
the first list in a pop-up menu at an insertion location for at least one of the alternate symbols on
a display of the hand-held device comprises:

PATENT

means for displaying the plurality of alternate symbols in the first list in an order from first to last according to a criteria of descending order of a frequency of selection for each alternate symbol;

means for increasing a frequency of selection indicator for the alternate symbol that has been selected responsive to receiving input indicating one of the alternate symbols has been selected; and

means for storing the frequency of selection indicator in a memory.

Al
Amended

39. (Currently Amended) The device of claim 35 wherein ~~the means for displaying one or more alternate symbols in the first list associated with the first base symbol, the first list having more than one alternate symbol;~~ displaying simultaneously a plurality of alternate symbols from the first list in a pop-up menu at an insertion location for at least one of the alternate symbols on a display of the hand-held device comprises:

means for displaying the plurality of alternate symbols in the first list in an order from first to last according to a criteria of descending order of a frequency of selection for each alternate symbol, the frequency of selection being based on pre-determined statistics.

40. (Canceled.)

41. (Canceled.)

42. (New) The method of claim 1 wherein the first list of alternate symbols includes an emoticon.

43. (New) The device of claim 13 wherein the first list of alternate symbols includes an emoticon.